

Claims

1. A dual LED and incandescent security lighting system, comprising:
 - an ambient LED illuminator;
 - an incandescent lamp positioned in proximity to the LED illuminator;
 - a darkness sensor for detecting the occurrence of darkness;
 - a motion sensor for detecting motion around the lighting system;
 - a control system connected to the darkness sensor and motion sensor and to the LED illuminator and incandescent lamp for turning on the LED illuminator when darkness is detected and for then turning on the incandescent lamp when motion is detected.
2. The dual lighting system of Claim 1 wherein the LED illuminator comprises an array of LEDs.
3. The dual lighting system of Claim 2 wherein the LEDs are amber or yellow.
4. The dual lighting system of Claim 1 further comprising a single fixture containing both the LED illuminator and the incandescent lamp.
5. The dual lighting system of Claim 1 further comprising a pair of adjacent fixtures, one containing the LED illuminator and the other containing the incandescent lamp.

6. The dual lighting system of Claim 5 wherein the incandescent lamp fixture plugs into the LED fixture.

7. The dual lighting system of Claim 4 wherein the fixture comprises a substantially flat top with the LED illuminator mounted to the underside of the top and the incandescent lamp is mounted in a substantially horizontal orientation below the top, the LED illuminator being positioned either in front of or above the incandescent lamp.

8. The dual lighting system of Claim 7 wherein the fixture further comprises a diffuser or lens extending down from the top and enclosing or surrounding the LED illuminator and the incandescent lamp.

9. The dual lighting system of Claim 4 wherein the fixture comprises a base to which the LED illuminator and incandescent lamp are mounted in a vertical downward position, with the LED illuminator around the lamp, and a diffuser or lens extending down from the base and enclosing or surrounding the LED illuminator and the lamp.

10. The dual lighting system of Claim 4 further comprising a lamp base that screws into a standard electrical light socket, the LED illuminator being mounted in the base, and a lamp socket formed in the base for receiving the incandescent lamp.

11. The dual lighting system of Claim 10 further comprising a light guide or cover lens attachable to the base, in alignment with the LED illuminator and enclosing and surrounding the incandescent lamp.

12. The dual lighting system of Claim 1 further comprising:

- a control box containing the control system and mounted to a wall;
- a fixture containing the incandescent lamp attached to the front of the control box;
- an adjustable drop arm extending down from the control box;
- a LED drop unit containing the LED illuminator and the motion sensor connected to the adjustable drop arm and through the drop arm to the control box.

13. The dual lighting system of Claim 1 wherein the control system includes a timer for keeping the incandescent lamp on for a selectable preset period of time.

14. The dual lighting system of Claim 1 wherein the control system turns the LED illuminator off when the incandescent lamp is on.

15. The dual lighting system of Claim 1 wherein the control system comprises:

- a first on/off switch connected between the darkness sensor and the LED illuminator;

an AND gate having inputs connected to the darkness sensor and the motion sensor;

a second on/off switch connected between the AND gate and the incandescent lamp;

5. The dual lighting system of Claim 4, wherein the first on/off switch is connected to the first lamp.

16. The dual lighting system of Claim 15 comprising a presetable timer connected in feedback to the second on/off switch.

17. The dual lighting system of Claim 15 wherein the second on/off switch is connected to the first on/off switch.

18. The dual lighting system of Claim 15 wherein the second on/off switch is connected to the first on/off switch and the first on/off switch is connected to the first lamp.

19. The dual lighting system of Claim 15 wherein the first on/off switch is connected to the first lamp and the second on/off switch is connected to the first lamp.

20. The dual lighting system of Claim 15 wherein the first on/off switch is connected to the first lamp and the second on/off switch is connected to the first lamp.

21. The dual lighting system of Claim 15 wherein the first on/off switch is connected to the first lamp and the second on/off switch is connected to the first lamp.

22. The dual lighting system of Claim 15 wherein the first on/off switch is connected to the first lamp and the second on/off switch is connected to the first lamp.

23. The dual lighting system of Claim 15 wherein the first on/off switch is connected to the first lamp and the second on/off switch is connected to the first lamp.